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**1988/11/10**

JOINT OPERATING AGREEMENT  
On  
BIOLOGICAL CONTROL RESEARCH  
Between  
THE CHINESE ACADEMY OF AGRICULTURAL SCIENCES  
MINISTRY OF AGRICULTURE, PRC  
And  
THE AGRICULTURAL RESEARCH SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Under the terms of the agreement between the Government of the People's Republic of China and the Government of the United States of America on cooperation in science and technology, the Chinese Academy of Agricultural Sciences, Ministry of Agriculture of PRC (hereinafter referred to as CAAS) and the Agricultural Research Service, United States Department of Agriculture (hereinafter referred to as ARS), in the spirit of friendship and cooperation in agriculture, will cooperate in research of mutual interest on the biological control of agricultural pests, and therefore establish the following understanding on the collaborative research program.

1. The CAAS and ARS will conduct mutually beneficial research in biological control in the People's Republic of China (PRC), and in the United States of America (USA), for a period of five (5) years. This period can be extended upon mutual consent at the end of five (5) years.
2. Investigations will include joint field study, characterization, and evaluation of biological control agents in PRC and/or in USA by Chinese and American scientists, and exchange (shipment) of live biological control materials between the two countries. These biological control agents are to be used in agricultural pest control in the two countries.
3. To facilitate the joint research, CAAS will provide and maintain a Sino-American Biological Control Collaborative Laboratory, which will be associated with CAAS's Biological Control Laboratory in Beijing. The Collaborative Laboratory will serve as a research and quarantine facility to expedite the export of live biological control materials to the USA and the importation of live biological control materials into the PRC. CAAS will provide funds, in Chinese currency, to help the initiation of the Collaborative Laboratory. ARS will provide funds, in U.S. currency, in support of the research projects and maintenance of this Collaborative Laboratory. The budgets for CAAS and ARS provided funds will be included in the addendum of this agreement.

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4. Upon mutual agreement, ARS will place research scientists at the Collaborative Laboratory for completion of joint projects during field seasons, each for a period of up to six (6) months, whose expenses in China will be borne by the ARS. The Biological Control Laboratory of CAAS will provide biological control specialists and technicians to support the joint research. The Collaborative Laboratory will pay for travel of these assistants. Upon mutual agreement, the CAAS's biological control specialists will conduct collaborative research in the J.S.A.. CAAS will provide similar arrangements for the costs involved in field studies in the USA.

5. The research subjects of the Collaborative Laboratory for the five (5) years may include natural enemies of plant diseases; insects and weeds of agricultural importance. Some of the priority projects to be accomplished during the initiation years of the Collaborative Laboratory will be included in the addendum of this agreement, which can be expanded or modified upon mutual agreement, and progress of the studies.

6. CAAS will provide basic facilities for the Collaborative Laboratory. ARS will provide additional specialized equipment in support of the joint research in the Collaborative Laboratory, which are to be imported expeditiously and free of duty. A list of such equipment will be included in the addendum of this agreement.

7. In regard to the regulations by the Ministry of Agriculture (MOA), PRC, on field collection and foreign exchange of live biological control materials, introductions into PRC and/or exportations to USA of any live biological control material by the Collaborative Laboratory should be agreed upon by MOA prior to the introduction or exportation. All (natural enemy) species discovered during joint field studies that are found to be new to science will be described and published by appropriate Chinese and/or U.S. specialists in appropriate journals of the country of origin of the new species. All holotypes will be deposited in appropriate institutions in the country of origin of the new species. Voucher specimens and/or paratypes will be deposited in appropriate institutions in both countries.

8. Results of joint research will be shared equally by both sides. Findings will be published jointly, in either

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Chinese or English, or in both languages, in journals or other publications as may be mutually deemed appropriate.

9. This agreement shall enter into force on the date of signature. Exchanges of biological control research materials and personnel under this agreement will be reported to the Joint Working Group on Cooperation in Agricultural Science and Technology Between the PRC and USA. This agreement shall have a duration of five (5) years, unless extended as provided in the foregoing. Either side may terminate the agreement upon twelve (12) months advance notice in writing, in which case ARS-provided equipment will be disposed of according to U.S. Government regulations.

Done in two copies in each of the Chinese and English languages on the 10th day of November in 1988, both versions being equally authoritative.

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For the Chinese Academy of  
Agricultural Sciences,  
People's Republic of China

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Title

10/11/88

Date

David A. Knierim

For the Agricultural  
Research Service, U.S.  
Department of Agriculture

Director, Int'l Activities

Title

10 Nov 88

Date

JOINT OPERATING AGREEMENT BETWEEN CAAS, PRC AND ARS, USA  
ADDENDUM I  
RESEARCH PROJECTS TO BE CONDUCTED IN  
THE SINO-AMERICA BIOLOGICAL CONTROL LABORATORY  
FOR THE YEAR 1989

1. Title: Biological control of leafy spurge, a noxious weed on range lands in U.S.A..  
Outline of scope: Two ARS scientists conduct field and laboratory studies in PRC for a period of five (5) months.
2. Title: Biological control of water milfoil and hydrilla, two weedy pests in aquatic habitats in U.S.A..  
Outline of scope: One ARS scientist conducts field and laboratory studies in PRC for a period of two (2) months (may be carried out in two separate trips to PRC).
3. Title: Field survey on potential biological control agents of Russian wheat aphid, an agricultural pest in U.S.A..  
Outline of scope: Chinese scientist(s) conduct(s) field investigations in PRC during the growing seasons.
4. Title: Studies on the pesticide-resistant predacious mites for biological control of apple leaf mites in PRC.  
Outline of scope: Introductions of the predacious mites from U.S.A. for biological control of apple leaf mites in the PRC by Chinese scientists.
5. Title: Studies on the parasites and predators of scale insect pests on ornamentals in PRC.  
Outline of scope: Introductions of the parasites and predators from U.S.A. and field studies by Chinese scientists in PRC.